



ATC Associates Inc.
1117 Lone Palm Avenue, Suite B
Modesto, California 95351
209-579-2221
Fax: 209-579-2225

November 4, 2005
54.25847.Q050

Ms. Darcy Bering
Sonoma County Environmental Health Division
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403

Subject: Monitoring Report Second Quarter 2005, Former Food and Liquor #50, 766 East Cotati Avenue, Cotati, California, File No. 00001522

Dear Ms. Bering:

This report presents the results of quarterly groundwater monitoring and sampling performed on April 27, 2005, by ATC Associates Inc. (ATC) on behalf of The Customer Company at the site located at 766 East Cotati Avenue, Cotati, California (Figure 1). Sampling was performed to monitor the distribution of petroleum hydrocarbons in groundwater at the site. Monitoring was performed to evaluate the groundwater flow direction and the hydraulic gradient in shallow groundwater.

SITE HISTORY

In February 1988, two 10,000-gallon capacity gasoline underground storage tanks (USTs) were excavated and removed from the site. In addition, approximately 1,300 cubic yards of soil was excavated and disposed of at an off-site landfill. Evidence of a petroleum hydrocarbon release was detected at this time.

In March 1988, J.H. Kleinfelder and Associates conducted an assessment and installed three groundwater monitoring wells MW1 through MW3 to depths of approximately 27, 32, and 30 feet below ground surface (bgs), respectively, in the vicinity of the former USTs.

In March 1989, Dames & Moore (DM) conducted a Preliminary Site Characterization, which included installing four groundwater monitoring wells (DM1 through DM4). Petroleum hydrocarbons were detected in the soil and groundwater samples collected and the results are contained in DM's *Preliminary Report Groundwater Contamination Study, Food & Liquor No. 50, 766 East Cotati Avenue, Cotati, California*, dated May 10, 1989.



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In January 1991, DM installed two groundwater monitoring wells (DM5 and DM6) to a depth of approximately 45 feet bgs. In January 1993, DM installed two groundwater monitoring wells (DM7 and DM8) to depths of approximately 40 and 35 feet bgs, respectively.

In 2002, Gettler-Ryan Inc. attempted to locate well DM8, which was presumed to be paved over in 1994 during station remodeling and expansion. All attempts to locate DM8 were unsuccessful. It was concluded that well DM8 was lost and buried. A summary of the well search is contained in Gettler-Ryan's report titled, *Evaluation of Potential Risk, Lost Well DM-8, Food & Liquor Service Station #50, 766 East Cotati Avenue, Cotati, California*, dated April 23, 2003.

SAMPLING ACTIVITIES

On April 27, 2005, ATC personnel collected groundwater samples from monitoring wells MW1, MW2, MW3, DM1, DM2, DM3, DM4, DM5, DM6 and DM7. The locations of the wells are shown on Figure 2. Prior to collection of groundwater samples, the depth to water was measured in the wells and pH, electrical conductivity, and temperature were measured. Turbidity was visually observed in groundwater purged from the monitoring wells and recorded. Approximately three well casing volumes were purged from each monitoring well prior to sampling. The wells were allowed to recover and samples were collected from each well using disposable polyethylene bailers.

The groundwater samples collected from each well were submitted to State-certified Excelchem Environmental Laboratories (Environmental Laboratory Accreditation Program Cert. No. 2119) in Roseville, California for chemical analyses of total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert butyl ether (MTBE), ethyl tertiary butyl ether (ETBE) di-isopropyl ether (DIPE), tertiary amyl ether (TAME), tertiary butyl ether (TBA), 1,2-dichloroethane (1,2-DCA), and 1,2-dibromoethane (EDB) utilizing EPA Method 8260B. Groundwater well purge and sample logs are included in Attachment 1.

GROUNDWATER FLOW DIRECTION

Depth to water (DTW) in MW1 through MW3 and DM1 through DM7 on April 27, 2005, ranged from 6.30 to 7.82 feet below the tops of the well casing, representing an average increase in the shallow water table elevation of approximately 0.096 feet since February 2005.

The groundwater levels are above the screened intervals in MW1 through MW3 and DM1 through DM7. The water level data were used to develop the groundwater elevation contour map (Figure 3). Shallow groundwater beneath the site apparently flows toward the north. The average hydraulic gradient on April 27, 2005 was calculated to be 0.005 ft/ft or approximately 26.4/mile.



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DTW was not measured in the offsite domestic well, DW2. This well no longer exists due to the grading and future development on the site. A summary of groundwater monitoring data is presented in Table 1.

ANALYTICAL RESULTS

Though the groundwater levels in monitoring wells MW1, MW2, MW3, DM1, DM2, DM3, DM4, DM5, DM6, and DM7 were above the screened intervals, analytical results for the dissolved phase hydrocarbon constituents is used as representative for each of the wells. TPHg was detected in the groundwater sample collected from MW1 at a concentration of 170 micrograms per liter ($\mu\text{g/L}$). BTEX constituents were not detected in any of the groundwater samples collected from wells MW1 through MW3 and DM1 through DM7.

MTBE was detected in the groundwater samples collected from MW1, DM3, and DM5, at concentrations of 8.5 $\mu\text{g/L}$, 4.6 $\mu\text{g/L}$, and 5.0 $\mu\text{g/L}$, respectively. ETBE, DIPE, TAME, 1,2-DCA, and EDB were not detected at or above the laboratory reported detection limits in any of the groundwater samples collected from MW1 through MW3 and DM1 through DM7.

Analytical results of groundwater samples are summarized in Table 2. Laboratory data sheets and chain-of-custody documentation are contained in Attachment 2. An isoconcentration map depicting the MTBE concentrations in samples collected from the on-site wells during the Second Quarter 2005 is shown on Figure 4.

GEOTRACKER DATA UPLOAD

The facility has been assigned a Geotracker global identification number T0609700126. The depth to water data was submitted electronically to the State Water Resources Control Board (SWRCB) Geotracker database (confirmation number 7976089298) and the laboratory data were also submitted electronically to the SWRCB Geotracker database (confirmation number 8066418051). Documentation of the data submittal is contained in Attachment 3.

CONCLUSIONS

The laboratory analytical results of the groundwater samples collected on April 27, 2005, are generally consistent with recent historical results. Concentrations of MTBE decreased slightly in the samples collected from MW1, DM3, and DM5. With the exception of the November 2003 sampling event, chemicals of concern have not been detected in samples collected from MW2, DM1, and DM2 since May 2002. Chemicals of concern have not been detected in any of the samples collected from wells DM4 and DM6 since March 2002. The direction of groundwater flow beneath the site flowed toward the north. The average groundwater elevation at the site increased approximately 0.096 feet since February 2005.



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The groundwater levels in monitoring wells MW1, MW2, MW3, DM1, DM2, DM3, DM4, DM5, DM6, and DM7 were above the screened intervals during the April 2005 groundwater monitoring event. Although the screened intervals are below the water table, ATC believes the analytical results for the dissolved phase hydrocarbon constituents are representative for each of the wells.

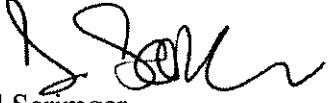
RECOMMENDATIONS

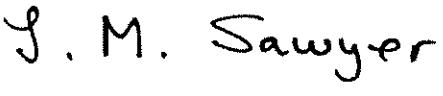
Based on the results of the second quarter 2005 monitoring event and historical information, we recommend the following:

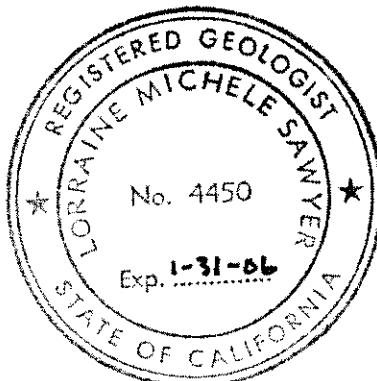
- Continue quarterly groundwater monitoring and sampling of MW1, DM3, and DM5 and semi-annual groundwater sampling of wells MW2, MW3, DM1, DM2, DM4, DM6, and DM7.
- Continue to develop a letter report with a trend analysis for wells currently impacted with TPHg and MTBE above the stated action levels.
- If concentrations are consistent or decrease during the third quarter 2005 monitoring event, ATC recommends no further action at the site.

Please contact our office at (209) 579-2221 if you have any questions or comments.

Respectfully submitted,
ATC Associates Inc.


David Scrimger
Staff Scientist


Lorraine M. Sawyer
CA Professional Geologist #4450



cc: Mr. John Johnson, The Customer Company
Mr. Luis Rivera, NCRWQCB
Mr. Geno Macedo, Geno's General Store

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
Former Food and Liquor #50
766 East Cotati Avenue, Cotati, California
Page 1 of 8

Well ID (screen interval)	Date Measured	(Reported in feet)			Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
		TOC Elevation	Depth to Water	Groundwater Elevation		
MW1 (10-25)	04/21/88	NM	NM	NM	--	--
	04/27/88	109.54	19.84	89.70	--	--
	06/14/89	109.54	19.86	89.68	--	--
	07/28/89	109.54	21.02	88.52	--	--
	08/29/89	109.54	20.15	89.39	--	--
	10/04/89	109.54	20.97	88.57	--	--
	11/21/89	109.54	21.45	88.09	--	--
	12/28/89	109.54	DRY	NM	--	--
	02/07/90	109.54	DRY	NM	--	--
	03/19/90	109.54	22.10	87.44	--	--
	04/20/90	109.54	DRY	NM	--	--
	06/05/00	109.54	--- INACCESSIBLE - COULD NOT OPEN WELL ---			
	11/01/00	109.54	--- INACCESSIBLE - COULD NOT OPEN WELL ---			
	03/14/02	111.82	7.64	104.18	--	--
	05/30/02	111.82	10.38	101.44	--	--
	08/15/02	111.82	12.69	99.13	--	--
	11/21/02	111.82	16.38	95.44	--	--
	02/28/03	111.82	8.93	102.89	--	--
	05/30/03	111.82	9.78	102.04	--	--
	08/29/03	111.82	12.65	99.17	--	--
	11/24/03	111.82	14.85	96.97	--	--
	02/17/04	111.82	6.00	105.82	varies	--
	05/20/04	111.82	8.70	103.12	west-southwest	0.01
	08/26/04	110.20	11.00	99.20	south	0.021
	12/02/04	110.20	10.48	99.72	south	0.015
	02/17/05	110.20	6.71	103.49	north-northwest	0.007
	04/27/05	110.20	6.67	103.53	north	0.005
MW2 (13-30)	04/21/88	NM	NM	NM	--	--
	04/27/88	109.30	19.50	89.80	--	--
	06/14/89	109.30	17.93	91.37	--	--
	07/28/89	109.30	19.53	89.77	--	--
	08/29/89	109.30	19.56	89.74	--	--
	10/04/89	109.30	22.40	86.90	--	--
	11/21/89	109.30	DRY	NM	--	--
	12/28/89	109.30	DRY	NM	--	--
	02/07/90	109.30	21.91	87.39	--	--
	03/19/90	109.30	21.68	87.62	--	--
	04/20/90	109.30	22.20	87.10	--	--
	06/05/00	109.30	--- INACCESSIBLE - COULD NOT OPEN WELL ---			
	11/01/00	109.30	--- INACCESSIBLE - COULD NOT OPEN WELL ---			
	03/14/02	111.50	7.71	103.79	--	--
	05/30/02	111.50	9.20	102.30	--	--
	08/15/02	111.50	10.86	100.64	--	--
	11/21/02	111.50	14.29	97.21	--	--
	02/28/03	111.50	8.24	103.26	--	--

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Well ID (screen interval)	Date Measured	(Reported in feet)			Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
		TOC Elevation	Depth to Water	Groundwater Elevation		
MW2 (13-30)	05/30/03	111.50	8.86	102.64	--	--
	08/29/03	111.50	10.74	100.76	--	--
	11/24/03	111.50	12.76	98.74	--	--
	02/17/04	111.50	5.95	105.55	varies	--
	05/20/04	111.50	9.12	102.38	west-southwest	0.01
	08/26/04	109.72	10.05	99.67	south	0.021
	12/02/04	109.72	9.72	100.00	south	0.015
	02/17/05	109.72	6.60	103.12	north-northwest	0.007
	04/27/05	109.72	6.54	103.18	north	0.005
MW3 (15-28)	04/21/88	NM	NM	NM	--	--
	04/27/88	109.91	20.41	89.50	--	--
	06/14/89	109.91	20.35	89.56	--	--
	07/28/89	109.91	23.00	86.91	--	--
	08/29/89	109.91	23.28	86.63	--	--
	10/04/89	109.91	25.44	84.47	--	--
	11/21/89	109.91	26.79	83.12	--	--
	12/28/89	109.91	DRY	NM	--	--
	02/07/90	109.91	24.62	85.29	--	--
	03/19/90	109.91	23.28	86.63	--	--
	04/20/90	109.91	NM	NM	--	--
	10/16/99	109.91	15.16	94.75	--	--
	01/28/00	109.91	28.31	81.60	--	--
	06/05/00	109.91	14.76	95.15	--	--
	11/01/00	109.91	16.30	93.61	--	--
	03/14/02	112.20	--- INACCESSIBLE - COULD NOT OPEN WELL ---			
	05/30/02	112.20	10.18	102.02	--	--
	08/15/02	112.20	12.43	99.77	--	--
	11/21/02	112.20	16.08	96.12	--	--
	02/28/03	112.20	8.75	103.45	--	--
	05/30/03	112.20	9.58	102.62	--	--
	08/29/03	112.20	12.31	99.89	--	--
	11/24/03	112.20	14.58	97.62	--	--
	02/14/04	112.20	6.18	106.02	varies	--
	05/20/04	112.20	8.56	103.64	west-southwest	0.01
	08/26/04	111.35	11.82	99.53	south	0.021
	12/02/04	111.35	11.32	100.03	south	0.015
	02/17/05	111.35	7.61	103.74	north-northwest	0.007
	04/27/05	111.35	7.51	103.84	north	0.005
DM1 (15-40)	04/19/89 ¹	109.57	16.83	92.74	--	--
	06/14/89	109.57	18.58	90.99	--	--
	07/28/89	109.57	19.92	89.65	--	--
	08/29/89	109.57	19.05	90.52	--	--
	10/04/89	109.57	22.74	86.83	--	--
	11/21/89	109.57	24.99	84.58	--	--
	12/28/89	109.57	26.53	83.04	--	--
	02/07/90	109.57	22.31	87.26	--	--
	03/19/90	109.57	21.15	88.42	--	--
	04/20/90	109.57	22.71	86.86	--	--
	12/02/90	109.57	28.56	81.01	--	--

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Well ID (screen interval)	Date Measured	(Reported in feet)			Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
		TOC Elevation	Depth to Water	Groundwater Elevation		
DM1 (15-40)	01/28/91	109.53	30.28	79.25	—	—
	02/11/91	109.53	29.61	79.92	—	—
	03/25/91	109.53	17.83	91.70	—	—
	05/02/91	109.53	19.66	89.87	—	—
	06/04/91	109.53	21.63	87.90	—	—
	07/16/91	109.53	21.23	88.30	—	—
	07/29/91	109.53	21.61	87.92	—	—
	11/11/92	109.53	24.66	84.87	—	—
	01/27/93	109.53	8.38	101.15	—	—
	10/16/99	109.53	13.51	96.02	—	—
	01/28/00	109.53	24.83	84.70	—	—
	06/05/00	109.53	13.11	96.42	—	—
	11/01/00	109.53	14.60	94.93	—	—
	03/14/02	112.33	7.77	104.56	—	—
	05/30/02	112.33	10.08	102.25	—	—
	08/15/02	112.33	11.92	100.41	—	—
	11/21/02	112.33	15.42	96.91	—	—
	02/28/03	112.33	8.95	103.38	—	—
	05/30/03	112.33	9.65	102.68	—	—
	08/29/03	112.33	11.81	100.52	—	—
	11/24/03	112.33	13.98	98.35	—	—
	02/17/04	112.33	6.50	105.83	varies	—
	05/20/04	112.33	8.82	103.51	west-southwest	0.01
	08/26/04	110.60	10.89	99.71	south	0.021
	12/02/04	110.60	10.47	100.13	south	0.015
	02/17/05	110.60	7.21	103.39	north-northwest	0.007
	04/27/05	110.60	7.24	103.36	north	0.005
DM2 (15-40)	04/19/89 ¹	110.55	19.10	91.45	—	—
	06/14/89	110.55	20.99	89.56	—	—
	07/28/89	110.55	23.11	87.44	—	—
	08/29/89	110.55	23.46	87.09	—	—
	10/04/89	110.55	25.55	85.00	—	—
	11/21/89	110.55	27.61	82.94	—	—
	12/28/89	110.55	29.25	81.30	—	—
	02/07/90	110.55	25.37	85.18	—	—
	03/19/90	110.55	23.66	86.89	—	—
	04/20/90	110.55	25.25	85.30	—	—
	12/02/90	110.55	31.61	78.94	—	—
	01/28/91	110.50	33.57	76.93	—	—
	02/11/91	110.50	33.27	77.23	—	—
	03/25/91	110.50	22.64	87.86	—	—
	05/02/91	110.50	22.26	88.24	—	—
	06/04/91	110.50	24.29	86.21	—	—
	07/16/91	110.50	24.77	85.73	—	—
	07/29/92	110.50	24.12	86.38	—	—
	11/11/92	110.50	27.20	83.30	—	—
	01/27/93	110.50	9.99	100.51	—	—

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		TOC Elevation	Depth to Water	Groundwater Elevation		
DM2 (15-40)	06/05/00	110.50	--UNABLE TO LOCATE	--	--	--
	11/01/00	110.50	--UNABLE TO LOCATE	--	--	--
	03/14/02	113.25	8.61	104.64	--	--
	05/30/02	113.25	11.28	101.97	--	--
	08/15/02	113.25	13.54	99.71	--	--
	11/21/02	113.25	17.19	96.06	--	--
	02/28/03	113.25	9.81	103.44	--	--
	05/30/03	113.25	10.65	102.60	--	--
	08/29/03	113.25	13.38	99.87	--	--
	11/24/03	113.25	15.67	97.58	--	--
	02/17/04	113.25	7.21	106.04	varies	--
	05/20/04	113.25	9.60	103.65	west-southwest	0.01
	08/26/04	111.54	12.09	99.45	south	0.021
	12/02/04	111.54	11.54	100.00	south	0.015
	02/17/05	111.54	7.84	103.70	north-northwest	0.007
	04/27/05	111.54	7.82	103.72	north	0.005
DM3 (15-40)	04/19/89 ¹	109.45	19.25	90.20	--	--
	06/14/89	109.45	20.66	88.79	--	--
	07/28/89	109.45	23.08	86.37	--	--
	08/29/89	109.45	22.70	86.75	--	--
	10/04/89	109.45	24.75	84.70	--	--
	11/21/89	109.45	27.06	82.39	--	--
	12/28/89	109.45	29.05	80.40	--	--
	02/07/90	109.45	25.76	83.69	--	--
	03/19/90	109.45	24.13	85.32	--	--
	04/20/90	109.45	25.31	84.14	--	--
	12/02/90	109.45	31.46	77.99	--	--
	01/28/91	109.41	33.17	76.24	--	--
	02/11/91	109.41	33.46	75.95	--	--
	03/25/91	109.41	22.37	87.04	--	--
	05/02/91	109.41	22.88	86.53	--	--
	06/04/91	109.41	24.00	85.41	--	--
	07/16/91	109.41	23.39	86.02	--	--
	07/29/92	109.41	23.82	85.59	--	--
	11/11/92	109.41	27.12	82.29	--	--
	01/27/93	109.41	10.10	99.31	--	--
	10/16/99	109.41	15.32	94.09	--	--
	01/28/00	109.41	25.81	83.60	--	--
	06/05/00	109.41	15.01	94.40	--	--
	11/01/00	109.41	16.74	92.67	--	--
	03/14/02	112.33	8.24	104.09	--	--
	05/30/02	112.33	11.20	101.13	--	--
	08/15/02	112.33	13.91	98.42	--	--
	11/21/02	112.33	17.62	94.71	--	--
	02/28/03	112.33	9.54	102.79	--	--
	05/30/03	112.33	10.61	101.72	--	--
	08/29/03	112.33	13.86	98.47	--	--

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Well ID (screen interval)	Date Measured	(Reported in feet)			Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
		TOC Elevation	Depth to Water	Groundwater Elevation		
DM3 (15-40)	11/24/03	112.33	15.16	97.17	--	--
	02/17/04	112.33	6.40	105.93	varies	--
	05/20/04	112.33	9.14	103.19	west-southwest	0.01
	08/26/04	110.59	11.84	98.75	south	0.021
	12/02/04	110.59	11.27	99.32	south	0.015
	02/17/05	110.59	7.41	103.18	north-northwest	0.007
	04/27/05	110.59	7.09	103.50	north	0.005
DM4 (15-40)	04/19/89 ¹	110.10	20.03	90.07	--	--
	06/14/89	110.10	21.96	88.14	--	--
	07/28/89	110.10	24.38	85.72	--	--
	08/29/89	110.10	24.78	85.32	--	--
	10/04/89	110.10	25.92	84.18	--	--
	11/21/89	110.10	27.99	82.11	--	--
	12/28/89	110.10	29.63	80.47	--	--
	02/07/90	110.10	26.64	83.46	--	--
	03/19/90	110.10	25.25	84.85	--	--
	04/20/90	110.10	26.09	84.01	--	--
	12/02/90	110.10	32.71	77.39	--	--
	01/28/91	110.05	34.79	75.26	--	--
	02/11/91	110.05	35.13	74.92	--	--
	03/25/91	110.05	25.37	84.68	--	--
	05/02/91	110.05	23.73	86.32	--	--
	06/04/91	110.05	25.07	84.98	--	--
	07/16/91	110.05	25.28	84.77	--	--
	07/29/92	110.05	24.97	85.08	--	--
	11/11/92	110.05	27.41	82.64	--	--
	01/27/93	110.05	11.25	98.80	--	--
	10/16/99	110.05	16.51	93.54	--	--
	01/28/00	110.05	22.43	87.62	--	--
	06/05/00	110.05	16.13	93.92	--	--
	11/01/00	110.05	18.06	91.99	--	--
	03/14/02	112.92	8.71	104.21	--	--
	05/30/02	112.92	12.05	100.87	--	--
	08/15/02	112.92	15.18	97.74	--	--
	11/21/02	112.92	19.11	93.81	--	--
	02/28/03	112.92	10.06	102.86	--	--
	05/30/03	112.92	11.35	101.57	--	--
	08/29/03	112.92	15.06	97.86	--	--
	11/24/03	112.92	17.59	95.33	--	--
	02/17/04	112.92	6.95	105.97	varies	--
	05/20/04	112.92	9.56	103.36	west-southwest	0.01
	08/26/04	111.16	12.65	98.51	south	0.021
	12/02/04	111.16	11.98	99.18	south	0.015
	02/17/05	111.16	7.50	103.66	north-northwest	0.007
	04/27/05	111.16	7.19	103.97	north	0.005
DM5 (20-45)	02/11/91 ²	110.29	34.37	75.92	--	--
	03/25/91	110.29	24.33	85.96	--	--
	05/02/91	110.29	23.77	86.52	--	--
	06/04/91	110.29	25.27	85.02	--	--
	07/16/91	110.29	25.58	84.71	--	--

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
Former Food and Liquor #50
766 East Cotati Avenue, Cotati, California
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Well ID (screen interval)	Date Measured	(Reported in feet)			Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
		TOC Elevation	Depth to Water	Groundwater Elevation		
DM5 (20-45)	07/29/92 ²	110.29	25.05	85.24	--	--
	11/11/92 ²	110.29	27.45	82.84	--	--
	01/27/93 ²	110.29	10.86	99.43	--	--
	10/16/99	110.29	15.69	94.60	--	--
	01/28/00	110.29	30.42	79.87	--	--
	06/05/00	110.29	15.58	94.71	--	--
	11/01/00	110.29	17.08	93.21	--	--
	03/14/02	112.76	8.54	104.22	--	--
	05/30/02	112.76	11.53	101.23	--	--
	08/15/02	112.76	14.23	98.53	--	--
	11/21/02	112.76	17.91	94.85	--	--
	02/28/03	112.76	9.78	102.98	--	--
	05/30/03	112.76	10.79	101.97	--	--
	08/29/03	112.76	14.19	98.57	--	--
	11/24/03	112.76	16.41	96.35	--	--
	02/17/04	112.76	6.90	105.86	varies	--
	05/20/04	112.76	9.41	103.35	west-southwest	0.01
	08/26/04	111.04	12.15	98.89	south	0.021
	12/02/04	111.04	11.54	99.50	south	0.015
DM6 (20-45)	02/11/91 ¹	109.36	33.45	75.91	--	--
	03/25/91	109.36	24.32	85.04	--	--
	05/02/91	109.36	23.88	85.48	--	--
	06/04/91	109.36	24.97	84.39	--	--
	07/16/91	109.36	25.80	83.56	--	--
	07/29/92	109.36	25.20	84.16	--	--
	11/11/92	109.36	27.30	82.06	--	--
	01/27/93	109.36	10.90	98.46	--	--
	10/16/99	109.36	16.12	93.24	--	--
	01/28/00	109.36	31.13	78.23	--	--
DM7 (10-33)	06/05/00	109.36	15.72	93.64	--	--
	11/01/00	109.36	18.00	91.36	--	--
	03/14/02	111.82	8.13	103.69	--	--
	05/30/02	111.82	11.68	100.14	--	--
	08/15/02	111.82	15.01	96.81	--	--
	11/21/02	111.82	19.12	92.70	--	--
	02/28/03	111.82	9.97	101.85	--	--
	05/30/03	111.82	10.43	101.39	--	--
	08/29/03	111.82	14.88	96.94	--	--
	11/24/03	111.82	17.60	94.22	--	--
	02/17/04	111.82	6.25	105.57	varies	--
	05/20/04	111.82	8.76	103.06	west-southwest	0.01
	08/26/04	110.10	12.08	98.02	south	0.021
	12/02/04	110.10	11.36	98.74	south	0.015
	02/17/05	110.10	6.36	103.74	north-northwest	0.007
	04/27/05	110.10	6.30	103.80	north	0.005
	01/27/93	109.71	11.07	98.64	--	--
	10/16/99	109.71	15.79	93.92	--	--
	01/28/00	109.71	21.93	87.78	--	--

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
Former Food and Liquor #50
766 East Cotati Avenue, Cotati, California
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Well ID (screen interval)	Date Measured	(Reported in feet)			Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
		TOC Elevation	Depth to Water	Groundwater Elevation		
DM7 (10-33)	06/05/00	109.71	15.25	94.46	--	--
	11/01/00	109.71	17.32	92.39	--	--
	03/14/02	112.03	8.17	103.86	--	--
	05/30/02	112.03	11.44	100.59	--	--
	08/15/02	112.03	14.35	97.68	--	--
	11/21/02	112.03	18.22	93.81	--	--
	02/28/03	112.03	8.92	103.11	--	--
	05/30/03	112.03	9.51	102.52	--	--
	08/29/03	112.03	14.17	97.86	--	--
	11/24/03	112.03	16.70	95.33	--	--
	02/17/04	112.03	5.35	106.68	varies	--
	05/20/04	112.03	9.00	103.03	west-southwest	0.01
	08/26/04	110.30	11.91	98.39	south	0.021
	12/02/04	110.30	11.24	99.06	south	0.015
DM8 (10-33)	02/17/05	110.30	6.76	103.54	north-northwest	0.007
	04/27/05	110.30	6.72	103.58	north	0.005
	01/27/93	108.74	7.63	101.11	--	--
	06/05/00	108.74	-- UNABLE TO LOCATE --	--	--	--
	11/01/00	108.74	-- UNABLE TO LOCATE --	--	--	--
RPMUNI4 (NA)	04/27/05	108.74	-- UNABLE TO LOCATE --	--	--	--
	03/14/02	112.05	NM	NM	--	--
	05/30/02	112.05	NM	NM	--	--
	08/15/02	112.05	NM	NM	--	--
	11/21/02	112.05	NM	NM	--	--
	02/28/03	112.05	--SAMPLED ANNUALLY--	--	--	--
	05/30/03	112.05	NM	NM	--	--
	08/29/03	112.05	--SAMPLED ANNUALLY--	--	--	--
	11/24/03	112.05	NM	NM	--	--
	02/17/05	112.05	NM	NM	--	--
	04/27/05	113.05	NM	NM	--	--

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
Former Food and Liquor #50
766 East Cotati Avenue, Cotati, California
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Well ID (screen interval)	Date Measured	(Reported in feet)			Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
		TOC Elevation	Depth to Water	Groundwater Elevation		
DW2 <i>Domestic Well (NA)</i>	09/26/02	NM	NM	NM	--	--
	11/21/02	NM	37.41	NM	--	--
	02/28/03	NM	23.78	NM	--	--
	05/30/03	NM	25.06	NM	--	--
	08/29/03	NM	29.46	NM	--	--
	11/24/03	NM	33.93	NM	--	--
	02/17/04	NM	15.20	NM	--	--
	05/20/04	NM	14.86	NM	--	--
	08/26/04	NM	22.56	NM	--	--
	12/02/04	NM	18.56	NM	--	--
	02/17/05	NM	10.29	NM	--	--
	04/27/05	NM	-- UNABLE TO LOCATE --	--	--	--

Notes:

TOC denotes Top of Casing

NM denotes that this parameter was not monitored or depth to water was not measured

-- Not applicable

Data prior to March 14, 2002 was provided by The Customer Company

* TOC elevations were resurveyed on April 25, 3003 by Horizon Land Surveys. TOC elevations are referenced to National Geodetic Survey benchmark #RV 185 NWPRR (Benchmark Elevation = 108.30 feet, NGVD 88). TOC elevations have been surveyed in feet relative to mean sea level (msl).

¹ Well Installation

² Nitrates in Groundwater (DM5) were measured on 01/31/91 as 20ppm; 09/03/91 as 11ppm; 07/29/92 as 4.1 ppm; 11/11/92 as 0.74 ppm and 01/27/93 as 3.1 ppm.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Former Food and Liquor #50, 766 East Cotati Avenue, Cotati, California
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Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
MW1	04/21/88	120	16,000	15,000	4,100	19,000	NA	NA	NA	NA	NA	NA	NA
	04/27/88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/14/89	35,000	2,000	3,700	NA	11,200	NA	NA	NA	NA	NA	NA	NA
	07/28/89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/29/89	220	100	15.6	NA	40.1	NA	NA	NA	NA	NA	NA	NA
	10/04/89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/21/89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/07/90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/90	270	2.7	7.2	NA	37.2	NA	NA	NA	NA	NA	NA	NA
	04/20/90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/05/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/01/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0	<.50	<.50	<.50	<.50	<.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	8.7	<5.0	<.50	<.50	<.50	<.50	<.50
	08/15/02	550	<0.50	<0.50	<0.50	<0.50	19	<5.0	<.50	<.50	<.50	<.50	<.50
	11/21/02 ⁵	310	<0.50	<0.50	<0.50	<0.50	11	<5.0	<.50	<.50	<.50	<.50	<.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	0.85	NA	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	5.6	NA	NA	NA	NA	NA	NA
	08/29/03	330	<0.50	<0.50	<0.50	<0.50	11	NA	NA	NA	NA	NA	NA
	11/24/03	210	<0.5	<0.5	<0.5	<0.5	100	NA	NA	NA	NA	NA	NA
	02/17/04	280	2.9	<0.5	1.8	2.5	7.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	05/20/04	61	<0.5	<0.5	<0.5	<1.0	5.9	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	08/26/04	170	<0.5	<0.5	<0.5	<1.0	6.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/04	180	<0.5	<0.5	<0.5	<1.0	5.6	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	02/18/05	200	<0.5	<0.5	<0.5	<1.0	9.8	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	04/27/05	170	<0.5	<0.5	<0.5	<1.0	8.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
MW2	04/21/88	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	04/27/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/14/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	07/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/29/89	ND	4.4	0.76	NA	1.53	NA	NA	NA	NA	NA	NA	NA
	10/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/07/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/19/90	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	04/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/05/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/01/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	11/21/02 ⁹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Former Food and Liquor #50, 766 East Cotati Avenue, Cotati, California
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Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
MW2	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	11/24/03	51	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	08/27/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/02/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	02/17/05	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
MW3	04/21/88	ND	ND	ND	ND	2.2	NA	NA	NA	NA	NA	NA	NA
	04/27/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/14/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	07/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/29/89	8,500	1,127	3,590	NA	1,770	NA	NA	NA	NA	NA	NA	NA
	10/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/07/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/19/90	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	04/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/99	100	<0.5	3.5	<0.5	<0.5	230	16	<3.0	<3.0	<3.0	NA	NA
	01/28/00 ²	<50	<0.5	<0.5	<0.5	<0.5	1.2	<5	<1.0	<1.0	<1.0	NA	NA
	06/05/00	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	11/01/00	<50	<0.5	<0.5	<0.5	<0.5	1.1	<5.0	<1.0	<1.0	<1.0	NA	NA
	03/14/02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	11/24/03	57	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	08/26/04	21,000	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	46	<0.5	<0.5	<0.5	<0.5
	12/02/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	02/17/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
DM1	04/19/89 ¹	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	06/14/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	07/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/29/89	ND	1.6	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	10/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	02/07/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DM2	03/19/90	ND	0.78	1.20	NA	ND	NA	NA	NA	NA	NA	NA	NA
	04/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Former Food and Liquor #50, 766 East Cotati Avenue, Cotati, California
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Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
DM1	12/02/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/28/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/11/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/02/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	06/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/16/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	07/29/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	11/11/92	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	01/27/93	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	10/16/99	ND	ND	ND	ND	ND	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	01/28/00 ²	ND	ND	ND	ND	ND	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	06/05/00	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	11/01/00	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	11/24/03	58	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	08/26/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	12/02/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	02/17/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
DM2	04/19/89 ¹	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	06/14/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	07/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/29/89	1,200	320	34	NA	245	NA	NA	NA	NA	NA	NA	NA
	10/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	02/07/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/19/90	ND	1.4	1.2	NA	ND	NA	NA	NA	NA	NA	NA	NA
	04/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/02/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/28/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/11/91	15	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/02/91	160	43	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	06/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/16/91	8,100	850	110	150	56	NA	NA	NA	NA	NA	NA	NA
	07/29/92	410	36	ND	ND	28	NA	NA	NA	NA	NA	NA	NA
	11/11/92	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA

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Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
DM2	01/27/93	17	0.56	ND	0.57	1.1	NA	NA	NA	NA	NA	NA	NA
	06/05/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/01/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<.50	<.50	<.50	<.50	<.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	11/24/03	51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<.50	<.50	<.50	<.50
	05/20/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<.50	<.50	<.50	<.50
	08/26/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<.50	<.50	<.50	<.50
	12/02/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<.50	<.50	<.50	<.50
	02/17/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<.50	<.50	<.50	<.50
	04/27/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<.50	<.50	<.50	<.50
DM3	04/19/89 ¹	7,500	2,570	420	168	2,220	NA	NA	NA	NA	NA	NA	NA
	06/14/89	4,200	190	190	NA	580	NA	NA	NA	NA	NA	NA	NA
	07/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/29/89	2,100	440.0	490	NA	630	NA	NA	NA	NA	NA	NA	NA
	10/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/89	1,700	40	ND	NA	20	NA	NA	NA	NA	NA	NA	NA
	02/07/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/19/90	ND	8.9	1.5	NA	ND	NA	NA	NA	NA	NA	NA	NA
	04/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/02/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/28/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/11/91	74	0.65	0.37	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/02/91	19,000	96	560	480	1,600	NA	NA	NA	NA	NA	NA	NA
	06/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/16/91	33,000	560	240	1,000	3,300	NA	NA	NA	NA	NA	NA	NA
	07/29/92	11,000	420	110	580	1,500	NA	NA	NA	NA	NA	NA	NA
	11/11/92	180	6.1	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	01/27/93	1,400	17	2.3	44	79	NA	NA	NA	NA	NA	NA	NA
	10/16/99	ND	ND	ND	ND	ND	1.6	<5.0	<1.0	<1.0	<1.0	NA	NA
	01/28/00 ³	230	<0.5	4.7	<0.5	<0.5	140	<5.0	<1.0	<1.0	<1.0	NA	NA
	06/05/00	<50	<0.5	<0.5	<0.5	<0.5	<5	<5.0	<1.0	<1.0	<1.0	NA	NA
	11/01/00	180	<0.5	4.1	<0.5	0.51	NA	<5.0	<1.0	<1.0	<1.0	NA	NA
	03/14/02	240	<0.50	<0.50	<0.50	<0.50	<0.50	26	<5.0	<0.50	<0.50	<0.50	<0.50
	05/30/02	210	<0.50	<0.50	<0.50	<0.50	<0.50	17	<5.0	<0.50	<0.50	<0.50	<0.50
	08/15/02	370	<0.50	<0.50	<0.50	<0.50	<0.50	22	<5.0	<0.50	<0.50	<0.50	<0.50

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Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
DM3	11/21/02 ⁵	110	<0.50	<0.50	<0.50	<0.50	3.6	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	1.4	NA	NA	NA	NA	NA	NA
	05/30/03	170	<0.50	<0.50	<0.50	<0.50	16	NA	NA	NA	NA	NA	NA
	08/29/03	210	<0.50	<0.50	<0.50	<0.50	12	NA	NA	NA	NA	NA	NA
	11/24/03	170	<0.50	<0.50	<0.50	<0.50	61	NA	NA	NA	NA	NA	NA
	02/17/04	170	1.5	0.5	1.2	2.0	13	9.0	<0.5	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<1.0	14	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	08/27/04	<50	<0.5	<0.5	<0.5	<1.0	7.3	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/04	100	<0.5	<0.5	<0.5	<1.0	7.6	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	02/18/05	<50	<0.5	<0.5	<0.5	<1.0	5.3	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<1.0	4.6	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
DM4	04/19/89 ¹	1,050	163	80	150	417	NA	NA	NA	NA	NA	NA	NA
	06/14/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	07/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/29/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	10/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/89	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	02/07/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/19/90	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	04/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/02/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/28/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/11/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/02/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	06/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/16/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	07/29/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	11/11/92	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	01/27/93	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	10/16/99	ND	ND	ND	ND	ND	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	01/28/00 ²	ND	ND	ND	ND	ND	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	06/05/00	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	11/01/00	<50	<0.5	<0.5	<0.5	<0.5	1.4	<5.0	<1.0	<1.0	<1.0	NA	NA
	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA
	11/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
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Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
DM4	02/17/04	<50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	08/27/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	02/18/05	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
DM5	02/11/91 ⁴	21	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/02/91	910	96	0.53	8.2	67	NA	NA	NA	NA	NA	NA	NA
	06/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/16/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	07/29/92 ⁴	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	11/11/92 ⁴	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	01/27/93 ⁴	530	42	8.1	15	57	NA	NA	NA	NA	NA	NA	NA
	10/16/99	650	ND	0.6	ND	ND	180	<25	<5.0	<5.0	<5.0	NA	NA
	01/28/00 ²	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<5	<1.0	<1.0	<1.0	NA	NA
	06/05/00	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	11/01/00	<50	<0.5	<0.5	<0.5	<0.5	20	<5.0	<1.0	<1.0	<1.0	NA	NA
	03/14/02 ⁶	<50	<.50	<.50	<.50	<.50	6.9	<5.0	<.50	<.50	<.50	<.50	<.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	6.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	11/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<1.0	8.1	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<1.0	9.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	08/27/04	<50	<0.5	<0.5	<0.5	<1.0	6.1	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/04	<50	<0.5	<0.5	<0.5	<1.0	5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	02/18/05	<50	<0.5	<0.5	<0.5	<1.0	6.6	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<1.0	5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
DM6	02/11/91 ¹	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/02/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	06/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/16/91	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	07/29/92	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	11/11/92	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	01/27/93	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	10/16/99	ND	ND	ND	ND	ND	99	<15	<3	<3	<3	NA	NA
	01/28/00 ²	ND	ND	ND	ND	ND	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	06/05/00	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	11/01/00	<50	<0.5	<0.5	<0.5	<0.5	61	<5.0	<1.0	<1.0	<1.0	NA	NA
	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Former Food and Liquor #50, 766 East Cotati Avenue, Cotati, California
Page 7 of 8

Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
DM6	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	11/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	08/27/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/02/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	02/18/05	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
DM7	01/27/03 ¹	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	10/16/99	ND	ND	ND	ND	ND	60	<5.0	<1.0	<1.0	<1.0	NA	NA
	01/28/00 ²	ND	ND	ND	ND	ND	<1.0	<5.0	<1.0	<1.0	<1.0	NA	NA
	06/05/00	<50	<0.5	<0.5	<0.5	<0.5	<5	6.7	<1.0	<1.0	<1.0	NA	NA
	11/01/00	<50	<0.5	<0.5	<0.5	<0.5	35	<5.0	<1.0	<1.0	<1.0	NA	NA
	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA
	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA
	11/24/03	51	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	08/27/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	12/03/04	<50	<0.5	<0.5	<0.5	<0.5	<1.0	1.9	<5.0	<0.5	<0.5	<0.5	<0.5
	02/18/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	04/27/05	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
DM8	01/27/93 ¹	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	06/05/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/01/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/27/05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/27/03 ¹	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
RPMUNI4 Municipal Well	03/14/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/15/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/28/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA
	08/29/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/24/03	68	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA
	02/17/05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/27/05	Temporarily Abandoned by the Municipality											

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Former Food and Liquor #50, 766 East Cotati Avenue, Cotati, California
Page 8 of 8

Sample ID	Date	(Reported in ug/l)											
		TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
Domestic Well	09/26/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/21/02 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	05/30/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	08/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	11/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA
	02/17/04	<50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	05/20/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	08/26/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/02/04	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	02/17/05	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	04/27/05	Apparently Destroyed with Recent Off-site Construction Activities											

Notes:

ug/l denotes micrograms per liter

Groundwater laboratory analytical results prior to March 14, 2002, were provided by The Customer Company.

TPHg denotes Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 5030/8015/8260B

MTBE denotes methyl tertiary butyl ether analyzed by EPA Method 8260B

DIPE denotes di-isopropyl ether analyzed by EPA Method 8260B

TAME denotes tertiary amyl methyl ether analyzed by EPA Method 8260B

TBA denotes tertiary butyl ether analyzed by EPA Method 8260B

ETBE denotes ethyl tertiary butyl ether analyzed by EPA Method 8260B

1,2-DCA denotes 1,2-dichloroethane analyzed by EPA Method 8260B

EDB denotes ethyl dibromide analyzed by EPA Method 8260B

NS denotes not sampled

ND denotes non detected

NA denotes not analyzed

< denotes not measured at or above stated detection limit

Data prior to November 2003 was obtained from H₂O Geologic historical reports

¹ Well Installation

² MTBE by EPA 8020 was not detected. See Lab Report for Detection Limits.

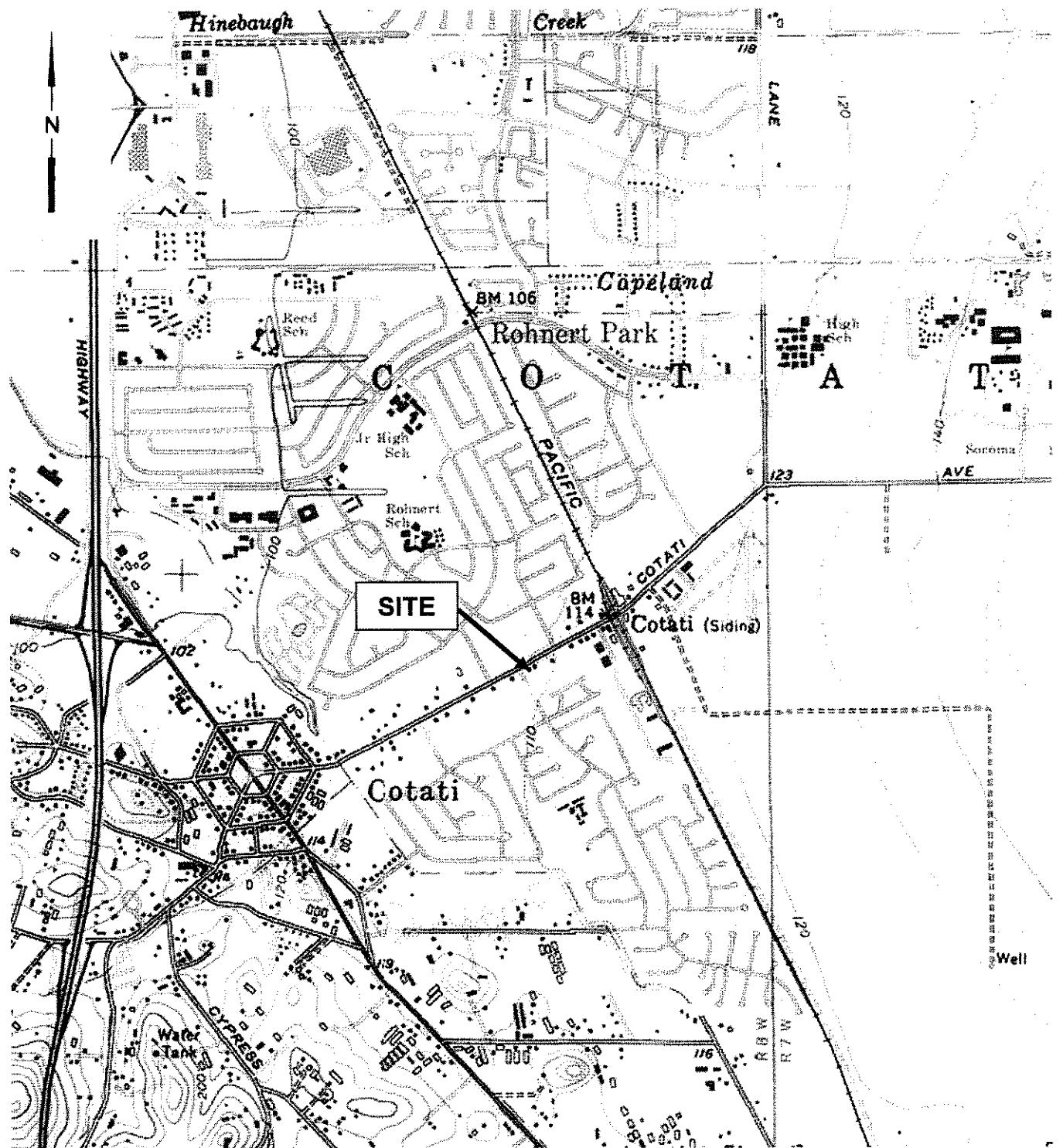
³ MTBE by EPA 8020 was 140ppb.

⁴ Nitrates were detected in groundwater well (DM5) on 01/31/91 at 20ppm; 09/03/91 at 11ppm; 07/29/92 at 4.1 ppm; 11/11/92 at 0.74 ppm and 01/27/93 at 3.1 ppm.

⁵ Ethanol was detected in groundwater on 11/21/02 for all wells at concentrations of : MW1 <5.0, MW2<5.0, MW3<5.0 , DM1<5.0, DM2<5.0, DM3<5.0, DM4<5.0, DM5<5.0, DMM6<5.0, DM7<5.0, RPMUNI4 <5.0, and DW2<6.2, in parts per billion (ppb)

⁶ Nitrate as NO₃ was detected at 0.53 ppm.

⁷ Sample chromatogram does not match the standard gasoline chromatogram.



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
COTATI QUADRANGLE, CALIFORNIA, DATED 1979.



1117 Lone Palm Ave, Ste B
Modesto, CA 95351
(209) 579-2221

PROJECT NO: 54.25847.0050

DESIGNED BY: NC

SCALE: 1:24,000

REVIEWED BY: JH

DRAWN BY: NC

DATE: 04/05

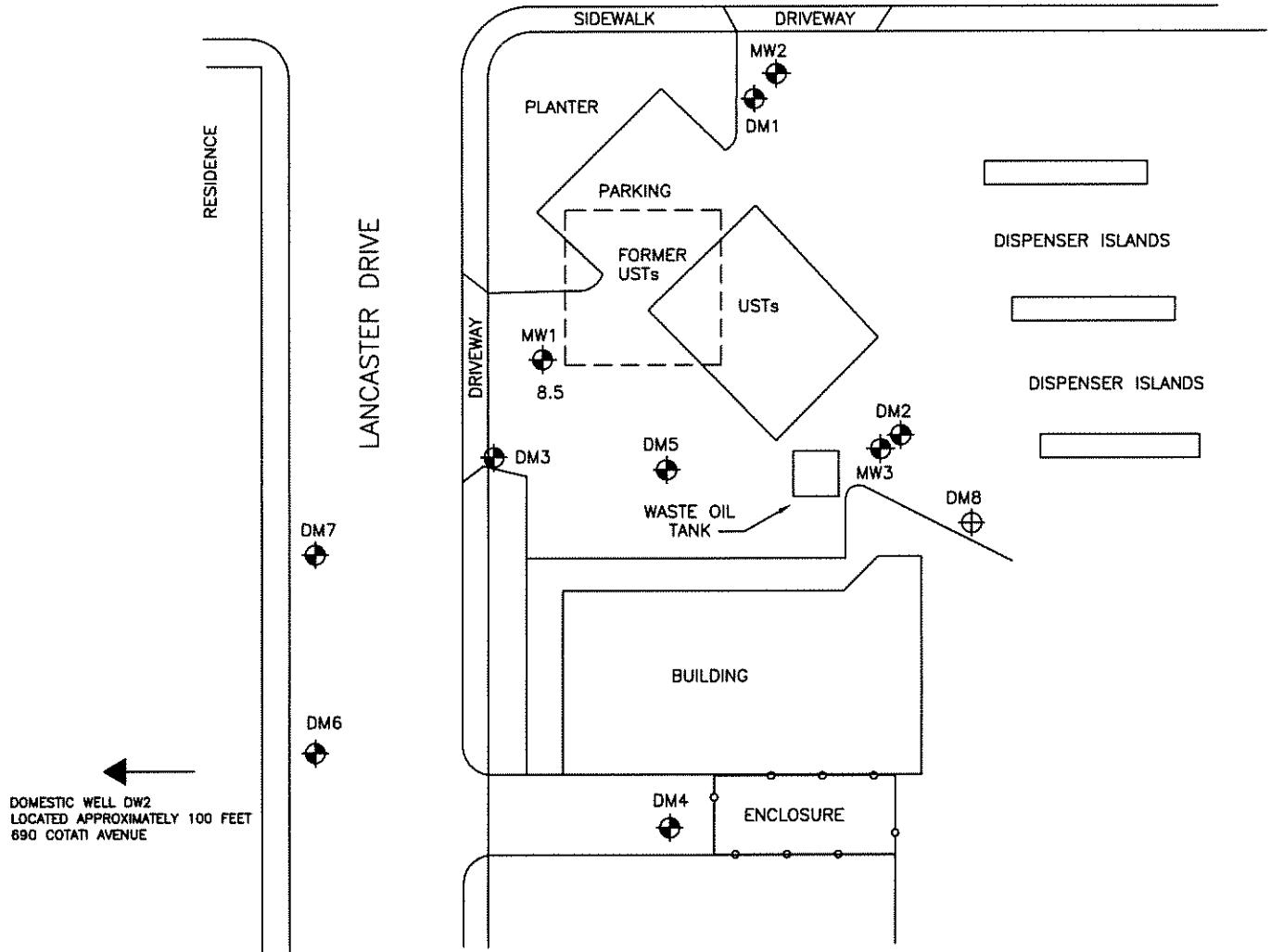
FILE: LOCATION

FIGURE 1

VICINITY MAP

FORMER FOOD AND LIQUOR #50
766 EAST COTATI AVENUE
COTATI, CALIFORNIA

EAST COTATI AVENUE



FORMER FOOD AND LIQUOR #50
766 EAST COTATI AVENUE
COTATI, CALIFORNIA

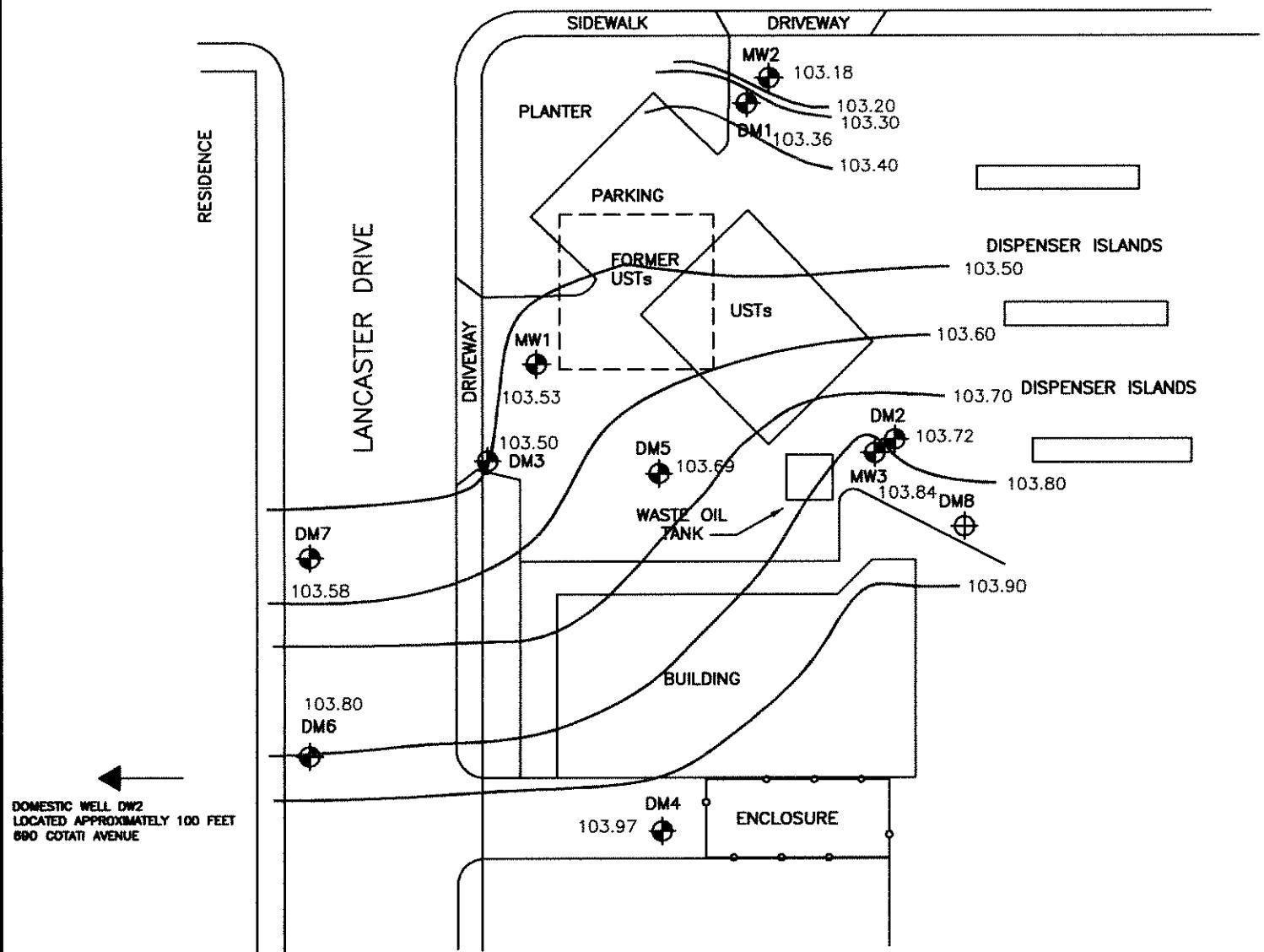
SITE MAP

PROJECT #: 54.25847.Q050

APRIL 2005

FIGURE:
2

EAST COTATI AVENUE



FORMER FOOD AND LIQUOR #50
766 EAST COTATI AVENUE
COTATI, CALIFORNIA

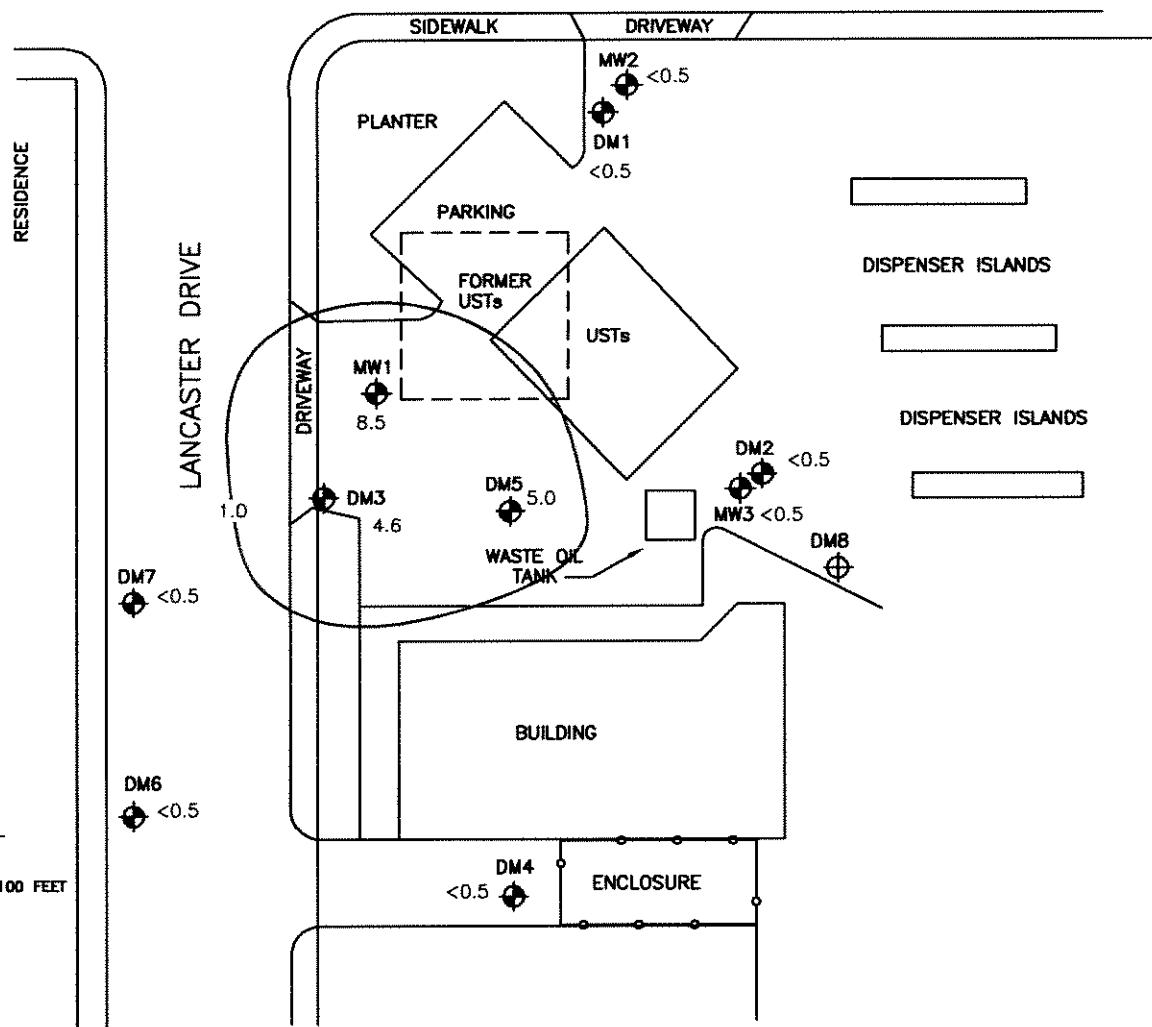
GROUNDWATER GRADIENT MAP
APRIL 27, 2005

PROJECT #: 54.25847.Q050

OCTOBER 2005

FIGURE:
3

EAST COTATI AVENUE



DOMESTIC WELL DW2
LOCATED APPROXIMATELY 100 FEET
690 COTATI AVENUE

LEGEND:

- ◆ MONITORING WELL LOCATION
- ◆ DESTROYED GROUNDWATER MONITORING WELL
- 5.6 MTBE CONCENTRATION IN µg/L (04/27/05)
- 1.0 MTBE CONCENTRATION LINE

APPROXIMATE SCALE IN FEET

20 0 20

N



FORMER FOOD AND LIQUOR #50
766 EAST COTATI AVENUE
COTATI, CALIFORNIA

MTBE ISOCONCENTRATION MAP
APRIL 27, 2005

PROJECT #: 54.25847.Q050

OCTOBER 2005

FIGURE:
4

ATTACHMENT 1



Field Report

Date April 27, 2005

Project Name: Customer Company - Cotati #50

Field Office: ATC Associates Inc

3600 Madison Avenue Suite 64

North Highlands California 95660

Project No.: 54.25847.Q050 Task No. 53001

Location: 766 E. Cotati Ave., Cotati, CA

Weather: Temperature:

Client:

Scope of Work:

Monitoring Assessment Remediation

Contractor:

ATC Representative(s) Michael Sperber

Page 1 of 1

Arrive on site

Meet with store manager

Inspect and gauge wells

Calibrate YSI 63 to a Ph of 7.0

Purge and sample all wells in order of 2M, 3M, 1D, 2D, 6D, 7D, 4D, 5D, 3D, 1M

drums of purged water

drums on site

MW's locked and secure (refer to log)

Depart Site

Wells need replacement (refer to MW inspection log)

The Deep Well #2 no longer exist due to the current land grading for future commercial construction

Equipment Used: Refer to equipment log

Contractor Hours

Staff / Technician Hours:

Mileage:

Copies To:

Project Manager:

Reviewed By:

Date: 4/27/2005

MONITORING WELL GAUGING LOG

Project Name: Customer Company - Cotati #50

Project No.: 54.25847.Q050

Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California

ATC Representative:

Mike Sperber

Reviewed by:

Well ID No.	Previous Depth To Water (feet)	Gauging Time	Depth To Free Product (feet)	Depth To Water (feet)	Free Product Thickness (feet)	Total Casing Depth (feet)	Surveyed Top of Casing Elevation (AMSL)	Groundwater Elevation (AMSL)	Corrected Groundwater Elevation ¹ (AMSL)
MW-2	6.60	7:05	X	6.54	X	24.18			
MW-3	7.61	7:15	X	7.51	X	28.35			
DM-1	7.21	7:25	X	7.24	X	39.90			
DM-2	7.84	7:35	X	7.82	X	39.82			
DM-6	6.36	7:45	X	6.30	X	44.69			
DM-7	6.76	7:55	X	6.72	X	39.68			
DM-4	7.50	8:05	X	7.19	X	39.99			
DM-5	7.39	8:15	X	7.35	X	44.86			
DM-3	7.41	8:25	X	7.09	X	39.99			
MW-1	6.71	8:35	X	6.67	X	24.35			
DW-2	10.29	8:45	X	NA	X	NA			
RP-Muni	Inaccessible		X		X				

Notes:

ID = Identification.

AMSL = Above mean sea level (in feet).

SHEEN = Discontinuous, non-measurable thickness of free product.

TRACE = Continuous, non-measurable thickness of free product.

ft = Feet.

¹ = Elevation adjusted by adding (0.75 x free product thickness) to measured water elevation.

Page 1 of 1



Date: 27-Apr-05

Customer Company - Cotati #50		Well No.	54.25847.0050
766 E. Cotati Ave., Cotati, CA		App	Mike Sperber
MW-1 Type: FLUSH <small>[flush well box, vault, or monument]</small>		Well No.:	MW-2 Type: FLUSH <small>[flush well box, vault, or monument]</small>
CONSTRUCTION DETAIL	CONDITION <small>[secure, good, poor, bad, yes, no, etc.]</small>	CONSTRUCTION DETAIL	CONDITION <small>[secure, good, poor, bad, yes, no, etc.]</small>
SECURITY VAULT	Need replacement	SECURITY VAULT	Need replacement
SURFACE SEAL	"	SURFACE SEAL	"
ANNULAR SEAL	"	ANNULAR SEAL	"
LOCKING CAP	"	LOCKING CAP	Secure
ATC LOCK	"	ATC LOCK	"
Comments:		Comments: Christy PVC is in bad shape	
Well No.: MW-3 Type: FLUSH <small>[flush well box, vault, or monument]</small>		Well No.: DM-1 Type: FLUSH <small>[flush well box, vault, or monument]</small>	
CONSTRUCTION DETAIL	CONDITION <small>[secure, good, poor, bad, yes, no, etc.]</small>	CONSTRUCTION DETAIL	CONDITION <small>[secure, good, poor, bad, yes, no, etc.]</small>
SECURITY VAULT	Secure	SECURITY VAULT	Need replacement
SURFACE SEAL	"	SURFACE SEAL	"
ANNULAR SEAL	"	ANNULAR SEAL	"
LOCKING CAP	Need replacement	LOCKING CAP	"
ATC LOCK	Secure	ATC LOCK	"
Comments:		Comments: Universal Valve CO Elizabeth NJ	
Well No.: DM-2 Type: FLUSH <small>[flush well box, vault, or monument]</small>		Well No.: DM-3 Type: FLUSH <small>[flush well box, vault, or monument]</small>	
CONSTRUCTION DETAIL	CONDITION <small>[secure, good, poor, bad, yes, no, etc.]</small>	CONSTRUCTION DETAIL	CONDITION <small>[secure, good, poor, bad, yes, no, etc.]</small>
SECURITY VAULT	Secure	SECURITY VAULT	Need replacement
SURFACE SEAL	"	SURFACE SEAL	"
ANNULAR SEAL	"	ANNULAR SEAL	"
LOCKING CAP	"	LOCKING CAP	Secure
ATC LOCK	"	ATC LOCK	None
Comments:		Comments:	



Date: 27-Apr-05

Monitoring Well Inspection Log

Project Location	Customer Company - Cotati #50 766 E. Cotati Ave., Cotati, CA		Project No. 54.25847.0050 ATC Rep Mike Sperber	
Well No.: DM-4	Type: FLUSH [flush well box, vault, or monument]	Well No.: DM-5	Type: FLUSH [flush well box, vault, or monument]	
CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]	CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]	
SECURITY VAULT	Need Replacement	SECURITY VAULT	Need Replacement	
SURFACE SEAL	"	SURFACE SEAL	"	
ANNULAR SEAL	"	ANNULAR SEAL	"	
LOCKING CAP	Secure	LOCKING CAP	Secure	
ATC LOCK	"	ATC LOCK	"	
Comments:		Comments:		
Well No.: DM-6	Type: FLUSH [flush well box, vault, or monument]	Well No.: DM-7	Type: FLUSH [flush well box, vault, or monument]	
CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]	CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]	
SECURITY VAULT	Need Replacement	SECURITY VAULT	Secure	
SURFACE SEAL	"	SURFACE SEAL	"	
ANNULAR SEAL	"	ANNULAR SEAL	"	
LOCKING CAP	Secure	LOCKING CAP	"	
ATC LOCK	"	ATC LOCK	"	
Comments:		Comments:		
Well No.: DM-8	Type: FLUSH [flush well box, vault, or monument]	Well No.: DW-2	Type: FLUSH [flush well box, vault, or monument]	
CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]	CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]	
SECURITY VAULT	Secure	SECURITY VAULT	Secure	
SURFACE SEAL	"	SURFACE SEAL	None	
ANNULAR SEAL	"	ANNULAR SEAL	"	
LOCKING CAP	"	LOCKING CAP	"	
ATC LOCK	"	ATC LOCK	"	
Comments:		Comments:		



MONITORING WELL PURGING AND SAMPLING LOG

Well No.: **DM-1**

Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): El		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: Honda Pump								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): 0.16 1.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 7.24		WC <input type="checkbox"/> x BM <input type="checkbox"/> = <input type="checkbox"/> (BV) (gal) x 1.5 BV (gal): <input type="checkbox"/>						
Total Well Depth (feet): 39.90		Casing Volumes (CV):						
Water Column (WC)(feet): 32.66		WC <input type="checkbox"/> 32.66 x CM <input type="checkbox"/> 0.65 = <input type="checkbox"/> 20.8 (CV) (gal) x 3.0 CV (gal): <input type="checkbox"/> 62						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
9:27	<i>Purging Start Time</i>							
9:37		10	19.3	6.90	772	X	no	no
9:47		20	18.8	6.85	756	X	no	no
9:57		30	19.0	6.82	755	X	no	no
10:07		40	18.8	6.75	744	X	no	no
		62	<i>Total Gallons Purged</i>					
10:29	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1842			Depth to Water @ Sample Time (DTWs): 7.24					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
4 Voas			No	HCl				
WELL RECOVERY DATA								
Maximum Drawdown (DTWm)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(-)}{(-)}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

Well No.: **DM-2**

Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: Honda Pump								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" <input checked="" type="checkbox"/> 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): 0.16 <input checked="" type="checkbox"/> 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 7.82		WC <input type="checkbox"/> x BM <input type="checkbox"/> = <input type="checkbox"/> (BV)(gal) x 1.5 BV(gal): <input type="checkbox"/>						
Total Well Depth (feet): 39.82		Casing Volumes (CV):						
Water Column (WC)(feet): 32		WC <input type="checkbox"/> 32 x CM <input type="checkbox"/> 0.65 = <input type="checkbox"/> 20.8 (CV)(gal) x 3.0 CV(gal): <input type="checkbox"/> 62.9						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
10:35	<i>Purging Start Time</i>							
10:45		10	20.8	6.64	728	X	No	No
10:55		20	19.9	6.55	759	X	No	No
11:05		30	19.5	6.50	715	X	No	No
11:15		40	19.8	6.70	702	X	No	No
		62	<i>Total Gallons Purged</i>					
11:37	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1853		Depth to Water @ Sample Time (DTWs): 7.82						
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
4 Vcabs			No	HCl				
WELL RECOVERY DATA								
Maximum Drawdown (DTWm)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(\text{ } - \text{ })}{(\text{ } - \text{ })}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005



MONITORING WELL PURGING AND SAMPLING LOG

Well No.: **DM-3**

Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): El		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: Honda Pump								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 7.09		WC <input type="checkbox"/> x BM <input type="checkbox"/> = <input type="checkbox"/> (BV) (gal) x 1.5 BV (gal): <input type="checkbox"/>						
Total Well Depth (feet): 39.99		Casing Volumes (CV):						
Water Column (WC)(feet): 32.9		WC <input type="checkbox"/> 32.9 <input type="checkbox"/> x CM <input type="checkbox"/> 0.65 = <input type="checkbox"/> 21.4 <input type="checkbox"/> (CV) (gal) x 3.0 CV (gal): <input type="checkbox"/> 64						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
16:53	<i>Purging Start Time</i>							
17:03		10	17.8	6.50	645	X	mod	yes
17:13		20	18.2	6.49	590	X	no	yes
17:23		30	17.5	6.46	644	X	no	yes
17:33		40	18.2	6.34	687	X	no	yes
		64	<i>Total Gallons Purged</i>					
17:57	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1948			Depth to Water @ Sample Time (DTWs): 7.09					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
4 Voas			No	HCl				
WELL RECOVERY DATA								
Maximum Drawdown (DTW _m)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100			Recovery Calculation: % Recovery = 1 - $\frac{(\quad - \quad)}{(\quad - \quad)}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

Well No.: **DM-4**

Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck		<input type="checkbox"/> Submersible Pump	<input checked="" type="checkbox"/> Other: Honda Pump					
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer		<input type="checkbox"/> Other:						
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" <input checked="" type="checkbox"/> 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): 0.16 <input checked="" type="checkbox"/> 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 7.19		WC <input type="checkbox"/> x BM <input type="checkbox"/> = (BV)(gal) x 1.5 BV (gal):						
Total Well Depth (feet): 39.99		Casing Volumes (CV):						
Water Column (WC)(feet): 32.8		WC <input type="checkbox"/> 32.8 <input type="checkbox"/> x CM <input type="checkbox"/> 0.65 = 21.32 (CV)(gal) x 3.0 CV (gal): 64						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
14:16	<i>Purging Start Time</i>							
14:26		10	16.6	6.29	850	X	no	no
14:36		20	16.7	6.32	861	X	no	no
14:46		30	16.8	6.28	862	X	no	no
14:56		40	16.8	6.21	865	X	no	no
		64	<i>Total Gallons Purged</i>					
15:20	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1925			Depth to Water @ Sample Time (DTWs): 7.19					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
4 Vials			No	HCl				
WELL RECOVERY DATA								
Maximum Drawdown (DTW _m)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(-)}{(-)}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: _____ 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

Well No.: **DM-5**

Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: Honda Pump								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 7.35		WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV(gal):						
Total Well Depth (feet): 44.86		Casing Volumes (CV):						
Water Column (WC)(feet): 37.51		WC 37.51 x CM 0.65 = 24.35 (CV)(gal) x 3.0 CV(gal): 73						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
15:30	<i>Purging Start Time</i>							
15:50		20	18.8	6.54	746	X	no	no
16:10		40	18.6	6.53	742	X	no	no
16:30		60	18.8	6.50	746	X	no	no
16:43		73	19.2	6.44	749	X	no	no
		73	<i>Total Gallons Purged</i>					
16:43	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1937			Depth to Water @ Sample Time (DTW _s): 7.35					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
4 Voas			No	HCl				
WELL RECOVERY DATA								
Maximum Drawdown (DTW _m)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(-)}{(-)}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005



MONITORING WELL PURGING AND SAMPLING LOG

		Well No.: DM-6						
Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck		<input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: <input type="checkbox"/> Honda Pump						
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer		<input type="checkbox"/> Other:						
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" <input checked="" type="checkbox"/> 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): 0.16 <input checked="" type="checkbox"/> 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 6.30		WC <input type="checkbox"/> x BM <input type="checkbox"/> = <input type="checkbox"/> (BV)(gal) x 1.5 BV (gal): <input type="checkbox"/>						
Total Well Depth (feet): 44.69		Casing Volumes (CV):						
Water Column (WC)(feet): 38.39		WC <input type="checkbox"/> 38.39 x CM <input type="checkbox"/> 0.65 = <input type="checkbox"/> 24.9 (CV)(gal) x 3.0 CV (gal): <input type="checkbox"/> 74						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
11:45	<i>Purging Start Time</i>							
12:05		20	18.9	6.53	876	X	mod	no
12:25		40	18.3	6.38	949	X	no	no
12:45		60	18.2	6.36	943	X	no	no
12:59		74	17.9	6.32	940	X	no	no
	74	<i>Total Gallons Purged</i>						
12:59	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1906		Depth to Water @ Sample Time (DTWs): 6.30						
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)			
4 Voas			No	HC1				
WELL RECOVERY DATA								
Maximum Drawdown (DTWm)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTWs)}{(DTW - DTWm)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(\text{ } - \text{ })}{(\text{ } - \text{ })}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005



MONITORING WELL PURGING AND SAMPLING LOG

Well No.: **DM-7**

Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: Honda Pump								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/root): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/root): 0.16 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 6.72		WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV(gal):						
Total Well Depth (feet): 39.68		Casing Volumes (CV):						
Water Column (WC)(feet): 32.96		WC 32.96 x CM 0.65 = 21.4 (CV)(gal) x 3.0 CV(gal): 64						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
13:04	<i>Purging Start Time</i>							
13:14		10	18.3	6.73	376.1	X	no	no
13:24		20	18.6	6.70	366.4	X	no	no
13:34		30	18.7	6.64	370.1	X	no	no
13:44		40	18.6	6.63	371.5	X	no	no
	64	<i>Total Gallons Purged</i>						
14:06	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1916		Depth to Water @ Sample Time (DTWs): 6.72						
Container Types, Volumes, & Quantities		Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)			
4 Voas		No	HCl					
WELL RECOVERY DATA								
Maximum Drawdown (DTWm)(feet):		Approximate Flow Rate (GPM):						
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100		Recovery Calculation: % Recovery = 1 $\frac{(-)}{(-)}$ x 100						
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow		% Recovery = _____						
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005



MONITORING WELL PURGING AND SAMPLING LOG

		Well No.: DM-8						
Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID):		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Other:								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/root): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/root): 0.16 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet):X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet):		WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____						
Total Well Depth (feet):		Casing Volumes (CV):						
Water Column (WC)(feet):		WC _____ x CM 0.65 _____ = _____ (CV)(gal) x 3.0 CV (gal): _____						
Free Product Thickness (feet):X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
<i>Purging Start Time</i>								
Dry Well								
		0	<i>Total Gallons Purged</i>					
<i>Purging End Time</i>								
SAMPLING DATA								
Time Sampled:		Depth to Water @ Sample Time (DTWs):						
Container Types, Volumes, & Quantities		Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)			
None								
WELL RECOVERY DATA								
Maximum Drawdown (DTWm)(feet):		Approximate Flow Rate (GPM):						
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100		Recovery Calculation: % Recovery = 1 $\frac{(\quad - \quad)}{(\quad - \quad)}$ x 100						
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow		% Recovery = _____						
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

		Well No.: DW-2						
Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID):		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID):		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Other:								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOROEHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM) (gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM) (gallons/foot): 0.16 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): inaccessible		WC _____ x BM _____ = _____ (BV (gal) x 1.5 BV (gal)):						
Total Well Depth (feet):		Casing Volumes (CV):						
Water Column (WC)(feet):		WC _____ x CM _____ = _____ (CV(gal) x 3.0 CV (gal)):						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
<i>Purging Start Time</i>								
<i>Total Gallons Purged</i>								
<i>Purging End Time</i>								
SAMPLING DATA								
Time Sampled:			Depth to Water @ Sample Time (DTW _s):					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
WELL RECOVERY DATA								
Maximum Drawdown (DTW _m)(feet):			Approximate Flow Rate (GPM):					
$\% \text{ Recovery} = 1 - \frac{(DTW - DTW_s)}{(DTW - DTW_m)} \times 100$			Recovery Calculation: $\% \text{ Recovery} = 1 - \frac{(-)}{(-)} \times 100$					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

		Well No.: MW-1						
Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: Honda Pump								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BORHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 6.67		WC <input type="checkbox"/> x BM <input type="checkbox"/> = <input type="checkbox"/> (BV)(gal) x 1.5 BV(gal):						
Total Well Depth (feet): 24.35		Casing Volumes (CV):						
Water Column (WC)(feet): 17.68		WC <input type="checkbox"/> x CM <input type="checkbox"/> 0.16 = <input type="checkbox"/> 2.82 (CV)(gal) x 3.0 CV(gal): 8.4						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
18:05	<i>Purging Start Time</i>							
18:07		2	18.8	6.38	738	X	mod	yes
18:09		4	18.9	6.35	660	X	no	yes
18:11		6	18.8	6.30	675	X	no	yes
18:13		8	18.8	6.21	692	X	no	yes
		8.4	<i>Total Gallons Purged</i>					
18:13	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1958			Depth to Water @ Sample Time (DTWs): 6.67					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
4 Voas			No	HCl				
WELL RECOVERY DATA								
Maximum Drawdown (DTWm)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(-)}{(-)}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

		Well No.: MW-2						
Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: <input type="checkbox"/> Honda Pump								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BOREHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): <input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 12" <input type="checkbox"/> 18" <input type="checkbox"/> 24"						
Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/foot): <input type="checkbox"/> 0.16 <input type="checkbox"/> 0.65 <input type="checkbox"/> 1.47 <input type="checkbox"/> 5.87 <input type="checkbox"/> 13.2 <input type="checkbox"/> 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet): X		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): 6.54		WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____						
Total Well Depth (feet): 24.18		Casing Volumes (CV):						
Water Column (WC)(feet): 17.64		WC 17.64 x CM 0.16 = 2.8 (CV)(gal) x 3.0 CV (gal): 8.52						
Free Product Thickness (feet): X		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
8:52	<i>Purging Start Time</i>							
8:54		2	19.3	7.77	772	<input checked="" type="checkbox"/> X	no	mod
8:56		4	19.6	7.76	757	<input checked="" type="checkbox"/> X	no	mod
8:58		6	19.4	7.74	709	<input checked="" type="checkbox"/> X	no	mod
9:00		8	19.1	7.61	689	<input checked="" type="checkbox"/> X	no	mod
		8.5	<i>Total Gallons Purged</i>					
9:01	<i>Purging End Time</i>							
SAMPLING DATA								
Time Sampled: 1820			Depth to Water @ Sample Time (DTWs): 6.54					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)		
4 Voas			No	HCl				
WELL RECOVERY DATA								
Maximum Drawdown (DTWm)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTWs)}{(DTW - DTWm)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(\quad - \quad)}{(\quad - \quad)}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Mike Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

		Well No.: MW-3									
Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050									
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California											
PURGING & SAMPLING INSTRUMENTATION & METHOD											
Water Level Meter (Model/ID): EI		Interface Probe (Model/ID):									
Water Quality Meter (Model/ID): YSI 63		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)									
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input checked="" type="checkbox"/> Other: Honda Pump											
Sampling Method: <input type="checkbox"/> Teflon Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:											
BOREHOLE & WELL CASING VOLUME INFORMATION											
Borehole Diameter (Circle):	8"	10"	12"	Casing Diameter (Circle):	2"	4"	6"	12"	18"	24"	
Borehole Multiplier (BM)(gallons/foot):	0.81	1.5	1.95	Casing Multiplier (CM)(gallons/foot):	0.16	0.65	1.47	5.87	13.2	23.5	
MONITORING MEASUREMENTS			PURGING CALCULATIONS								
Depth to Free Product (feet): X			Borehole Volumes (BV):								
Depth to Water (DTW)(feet): 7.51			WC	<input type="checkbox"/> BM	=	(BV)(gal)	x 1.5	BV (gal):			
Total Well Depth (feet): 28.35			Casing Volumes (CV):								
Water Column (WC)(feet): 20.84			WC	20.85	<input type="checkbox"/> CM	0.16	=	3.33	(CV)(gal)	x 3.0	CV (gal): 10
Free Product Thickness (feet): X			Free Product Purged (gallons):								
PURGING DATA											
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)			
9:07	<i>Purging Start Time</i>										
9:09		2	20.0	7.33	720	<input checked="" type="checkbox"/>	no	mod			
9:11		4	19.3	7.15	801	<input checked="" type="checkbox"/>	no	mod			
9:13		6	19.0	7.05	815	<input checked="" type="checkbox"/>	no	mod			
9:15		8	18.9	7.04	812	<input checked="" type="checkbox"/>	no	mod			
	10	<i>Total Gallons Purged</i>									
9:17	<i>Purging End Time</i>										
SAMPLING DATA											
Time Sampled: 1831			Depth to Water @ Sample Time (DTWs): 7.51								
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives		Analytical Parameters (cross-out all NOT applicable)					
4 Voas			No	HC1							
WELL RECOVERY DATA											
Maximum Drawdown (DTWm)(feet):			Approximate Flow Rate (GPM):								
% Recovery = 1 - $\frac{(DTW - DTWs)}{(DTW - DTWm)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(\text{_____} - \text{_____})}{(\text{_____} - \text{_____})}$ x 100								
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____								
FIELD PERSONNEL											
ATC Representative(s): Mike Sperber											
Subcontractor:											

Signature: _____

Date: 4/27/2005 _____



MONITORING WELL PURGING AND SAMPLING LOG

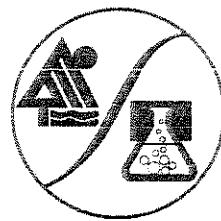
		Well No.: RP-Muni						
Project Name: Customer Company - Cotati #50		Project No.: 54.25847.0050						
Project Address / City / County: 766 E. Cotati Ave., Cotati, Sonoma County, California								
PURGING & SAMPLING INSTRUMENTATION & METHOD								
Water Level Meter (Model/ID):		Interface Probe (Model/ID):						
Water Quality Meter (Model/ID):		Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)						
Purging Method: <input type="checkbox"/> PVC Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Other:								
Sampling Method: <input type="checkbox"/> Teflon Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other:								
BORINGHOLE & WELL CASING VOLUME INFORMATION								
Borehole Diameter (Circle): 8" 10" 12"		Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"						
Borehole Multiplier (BM)(gallons/root): 0.81 1.5 1.95		Casing Multiplier (CM)(gallons/root): 0.16 0.65 1.47 5.87 13.2 23.5						
MONITORING MEASUREMENTS		PURGING CALCULATIONS						
Depth to Free Product (feet):		Borehole Volumes (BV):						
Depth to Water (DTW)(feet): Inaccessible		WC <input type="checkbox"/> x BM <input type="checkbox"/> = <input type="checkbox"/> (BV)(gal) x 1.5 BV(gal):						
Total Well Depth (feet):		Casing Volumes (CV):						
Water Column (WC)(feet):		WC <input type="checkbox"/> x CM <input type="checkbox"/> = <input type="checkbox"/> (CV)(gal) x 3.0 CV(gal):						
Free Product Thickness (feet):		Free Product Purged (gallons):						
PURGING DATA								
Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (μ or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
<i>Purging Start Time</i>								
		<i>Total Gallons Purged</i>						
<i>Purging End Time</i>								
SAMPLING DATA								
Time Sampled:			Depth to Water @ Sample Time (DTWs):					
Container Types, Volumes, & Quantities			Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)			
WELL RECOVERY DATA								
Maximum Drawdown (DTW _m)(feet):			Approximate Flow Rate (GPM):					
% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100			Recovery Calculation: % Recovery = 1 $\frac{(-)}{(-)}$ x 100					
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow			% Recovery = _____					
FIELD PERSONNEL								
ATC Representative(s): Michael Sperber								
Subcontractor:								

Signature: _____

Date: 4/27/2005 _____

ATTACHMENT 2

EXCELCHEM
ENVIRONMENTAL LABS



300 Broadway Street

Eureka, CA 95501

Phone#: (707) 444-0120 Fax#: (707) 444-0560

ANALYSIS REPORT

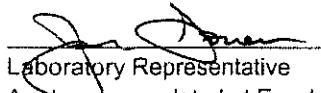
Attention:	Jeanne Homsey	Date Sampled:	04/27/05
	ATC Associates, Inc.	Date Received:	04/29/05
	1117 Lone Palm Avenue	Date Analyzed:	05/03,04/05
	Modesto, CA 95351		
Project:	Customer #50 / 54.25847.0050		
Method:	EPA 8260B		

Client Sample I.D.	DM-1		DM-2		DM-3		DM-4		DM-5		DM-6			
LAB. NO.	0504111-01	0504111-02	0504111-03	0504111-04	0504111-05	0504111-06	R/L	Results	R/L	Results	R/L	Results	R/L	Results
ANALYTE														
TPH as Gasoline	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND
Benzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Toluene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethylbenzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Xylenes	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
tert-Butanol	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
MTBE	0.5	ND	0.5	ND	0.5	4.6	0.5	ND	0.5	5.0	0.5	ND	0.5	ND
Diisopropyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethyl tert-butyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
tert-Amyl methyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
1,2-Dichloroethane	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
1,2-Dibromoethane	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
SURROGATE %RECOVERY														
Dibromofluoromethane	108	107	101	101	100	101								
Toluene-d8	99	98	94	97	100	93								
4-Bromofluorobenzene	98	98	101	98	99	97								

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

R/L = Reporting Limit

Water samples reported in µg/L

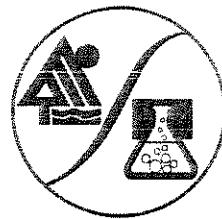

Laboratory Representative

05/09/05

Date Reported

Analyses completed at Excelchem Roseville facility. Please call 916.773.3504 with any questions.

EXCELCHEM
ENVIRONMENTAL LABS



300 Broadway Street

Eureka, CA 95501

Phone#: (707) 444-0120 Fax#: (707) 444-0560

ANALYSIS REPORT

Attention: Jeanne Homsey
ATC Associates, Inc.
1117 Lone Palm Avenue
Modesto, CA 95351

Project: Customer #50 / 54.25847.0050

Method: EPA 8260B

Date Sampled: 04/27/05
Date Received: 04/29/05
Date Analyzed: 05/03,04/05

Client Sample I.D.	DM-7		MW-1		MW-2		MW-3	
LAB. NO.	0504111-07		0504111-08		0504111-09		0504111-10	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results
TPH as Gasoline	50	ND	50	170	50	ND	50	ND
Benzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Toluene	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethylbenzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Xylenes	1.0	ND	1.0	ND	1.0	ND	1.0	ND
tert-Butanol	5.0	ND	5.0	ND	5.0	ND	5.0	ND
MTBE	0.5	ND	0.5	8.5	0.5	ND	0.5	ND
Diisopropyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethyl tert-butyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND
tert-Amyl methyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND
1,2-Dichloroethane	0.5	ND	0.5	ND	0.5	ND	0.5	ND
1,2-Dibromoethane	0.5	ND	0.5	ND	0.5	ND	0.5	ND
SURROGATE %RECOVERY								
Dibromofluoromethane	100		101		101		100	
Toluene-d8	97		93		97		99	
4-Bromofluorobenzene	97		99		98		97	

QA/QC %RECOVERY			
	LCS	MS	MSD
1,1-Dichloroethene	87	90	99
Benzene	105	94	99
Trichloroethene	94	86	93
Toluene	98	93	96
Chlorobenzene	104	96	99

QA/QC Analyzed: 05/03/05

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

R/L = Reporting Limit

Water samples reported in µg/L


Laboratory Representative

05/09/05

Date Reported

Analyses completed at Excelchem Roseville facility. Please call 916.773.3664 with any questions.

ATTACHMENT 3

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title: Food & Liquor #50 (Cotati) - DTW for 2nd Quarter
2005

Submittal Date/Time: 8/16/2005 10:33:48 AM

Confirmation Number: 7976089298

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Logged in as ATCMGEN (CONTRACTOR)

[CONTACT SITE ADMINISTRATOR.](#)

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been successfully uploaded!

Confirmation Number: 8066418051
Date/Time of Submittal: 8/12/2005 6:01:09 PM
Facility Global ID: T0609700126

Facility Name: Food & Liquor #50
Submittal Title: Monitoring Report - 2nd Quarter 2005
Submittal Type: GW Monitoring Report

[Click here to view the detections report for this upload.](#)

FOOD & LIQUOR #50 766 COTATI AVE E COTATI, CA 94931		Regional Board - Case #: 1TSO162 NORTH COAST RWQCB (REGION 1) - (HAZ) Local Agency (lead agency) - Case #: 00001522 SONOMA COUNTY LOP - (DB)
CONF # 8066418051	TITLE Monitoring Report - 2nd Quarter 2005	QUARTER Q2 2005
SUBMITTED BY Jim Kundert	SUBMIT DATE 8/12/2005	STATUS PENDING REVIEW
SAMPLE DETECTIONS REPORT		
# FIELD POINTS SAMPLED 10 # FIELD POINTS WITH DETECTIONS 3 # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL 1 SAMPLE MATRIX TYPES WATER		
METHOD QA/QC REPORT		
METHODS USED SWB260B TESTED FOR REQUIRED ANALYTES? Y LAB NOTE DATA QUALIFIERS N		
QA/QC FOR 8021/8260 SERIES SAMPLES		

file:///S:/Environmental/25847 - Customer Co/50 Cotati/GeoTracker/verification pages/EDF 2005 Q2 verif page.htm

12/9/2005

TECHNICAL HOLDING TIME VIOLATIONS	0	
METHOD HOLDING TIME VIOLATIONS	0	
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0	
LAB BLANK DETECTIONS	0	
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?		
- LAB METHOD BLANK	N	
- MATRIX SPIKE	Y	
- MATRIX SPIKE DUPLICATE	Y	
- BLANK SPIKE	Y	
- SURROGATE SPIKE	Y	
WATER SAMPLES FOR 8021/8260 SERIES		
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y	
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y	
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y	
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y	
SOIL SAMPLES FOR 8021/8260 SERIES		
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a	
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a	
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a	
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a	
FIELD QC SAMPLES		
SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCBB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as ATCMGEN (CONTRACTOR)

CONTACT SITE ADMINISTRATOR